

Converting Colors

CIELCh(50, 42.934, 264.648)

Have a look what the booklet for
CIELCh(50, 42.934, 264.648)
contains.

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Color

CIELCh(50, 42.680, 264.295)

Conversions

Conversions Part 1

Format	Color
Hex	017DBF
RGB	1, 125, 191
RGB Percent	0%, 49%, 75%
CMY	0.9968, 0.5100, 0.2512
CMYK	1.00, 0.35, 0.00, 0.25
HSL	201°, 99%, 38%
HSV	201°, 100%, 75%
XYZ	16.7347, 18.4187, 51.9311
YIQ	95.4480, -95.0900, -5.7620

Conversions

Conversions Part 2

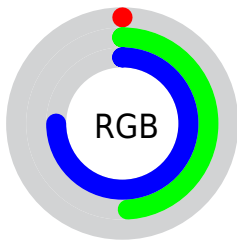
Format	Color
RYB	1, 76, 191
Decimal	97727
CIELab	50.00, -4.24, -42.47
CIElCh	50, 42.680, 264.295
Yxy	18.4187, 0.1922, 0.2115
Android (android.graphics.Color)	4278287807 (0xFF017DBF)
YUV	95.4480, 47.1071, -82.8309
Hunter-Lab	42.9170, -5.5016, -41.7013

Details

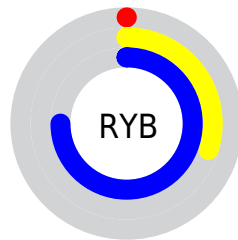
The CIELCh color **50, 42.680, 264.295** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 73.911, 49.843**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 42.930, 264.576**, and **32, 39.257, 275.970** is the 20% darker color. If you saturate the color by 10%, you get **50, 42.810, 264.500**, and if you desaturate by 10%, it is **52, 39.717, 259.337**.

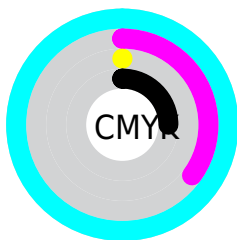
Distribution



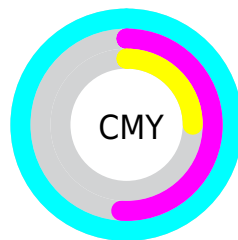
- Red (0%)
- Green (49%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- Blue (75%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (51%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 42.680, 264.295 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 42.680, 264.295 by changing the saturation by 10% instead.


 50, 42.680,
264.295


 50, 42.680,
264.295


 100, 42.680,
264.295


 40, 42.680,
264.295


 70, 42.680,
264.295

 30, 42.680,
264.295


 80, 42.680,
264.295


 20, 42.680,
264.295

 90, 42.680,
264.295

 10, 42.680,
264.295

 0, 42.680, 264.295

 50, 42.680,
264.295

 50, 42.680,
264.295

■ 50, 42.810,
264.500

■ 52, 39.717,
259.337

■ 54, 36.672,
254.779

■ 57, 33.351,
250.852

■ 60, 29.654,
247.564

■ 62, 25.543,
244.865

■ 65, 21.024,
242.674

■ 68, 16.132,
240.908

■ 71, 10.920,
239.493

■ 74, 5.445, 238.383

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 42.680, 264.295



46, 73.911, 49.843

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 42.680, 264.295



50, 42.680, 314.295



50, 42.680, 84.295



50, 42.680, 134.295

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 42.679, 264.296



86, 20.147, 241.051



68, 83.149, 142.238



45, 13.707, 241.772



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 42.679, 264.296



64, 52.542, 265.393



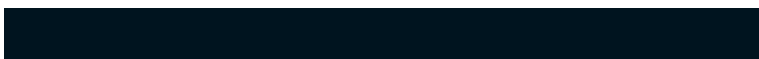
26, 97.215, 303.413



38, 3.193, 238.361



42, 36.893, 263.698



5, 9.991, 252.092

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42, 72.139, 348.467



54, 87.393, 349.008



66, 69.774, 90.731



37, 5.539, 336.881



35, 62.928, 348.177



3, 15.469, 342.543

Previews

White Background



This preview shows how the CIE LCh color 50, 42.680, 264.295 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 42.680, 264.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

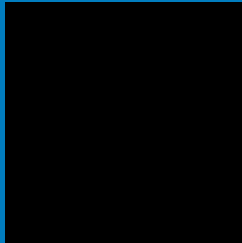
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 42.680, 264.295

Background



This preview shows how black text looks on a background with the CIELCh color 50, 42.680, 264.295.

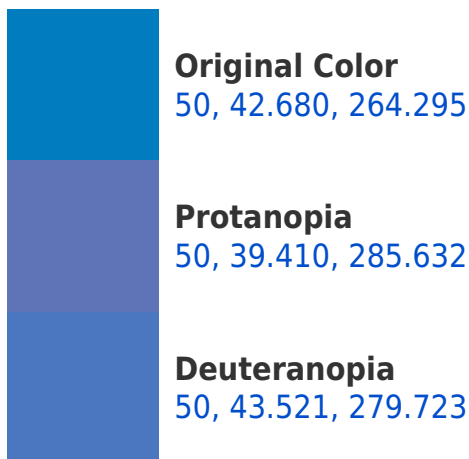


This preview shows how white text looks on a background with the CIELCh color 50, 42.680, 264.295.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 42.680, 264.295

Protanomaly
49, 41.021, 273.853

Deuteranomaly
50, 43.703, 272.393

Tritanomaly
50, 30.699, 232.626

Monochromacy



Original Color
50, 42.680, 264.295

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 19.868, 245.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 42.680, 264.295 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 125, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 125, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 125, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 125, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 42.680, 264.295 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 125, 191) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(1, 125, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(1, 125, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 125, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 125, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 125,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 42.680, 264.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 125, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 125,  
191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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